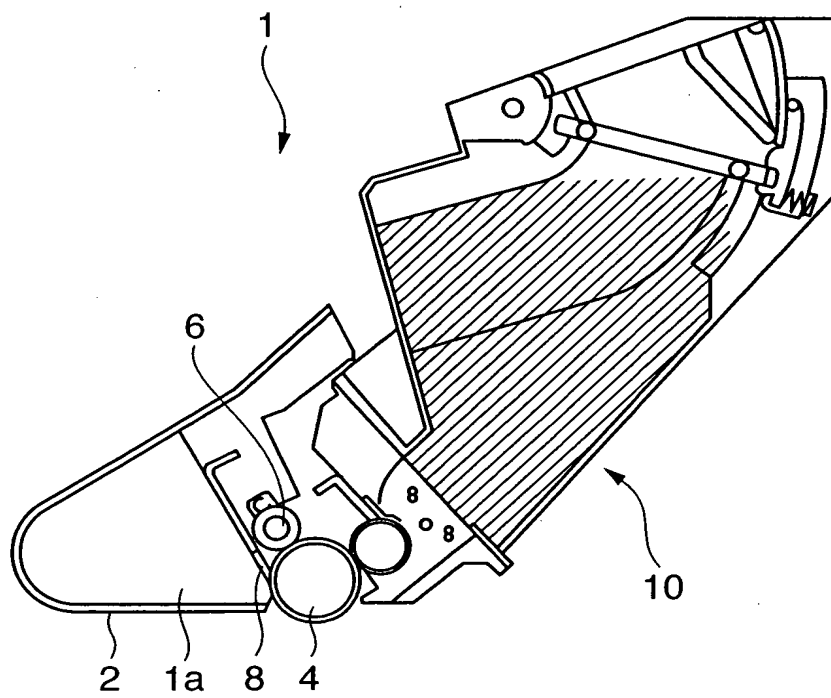


**FIG. 1**

## FIG. 2

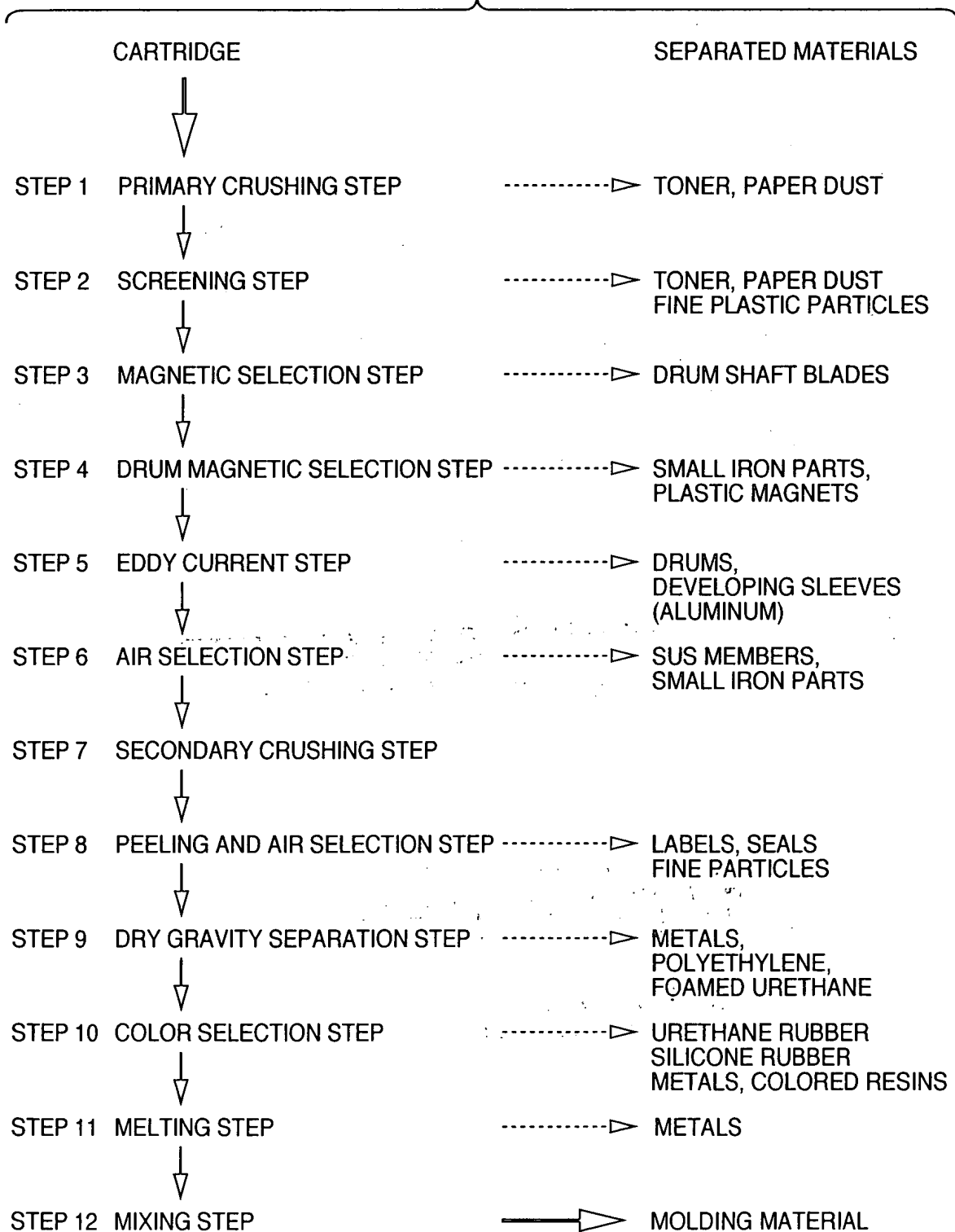
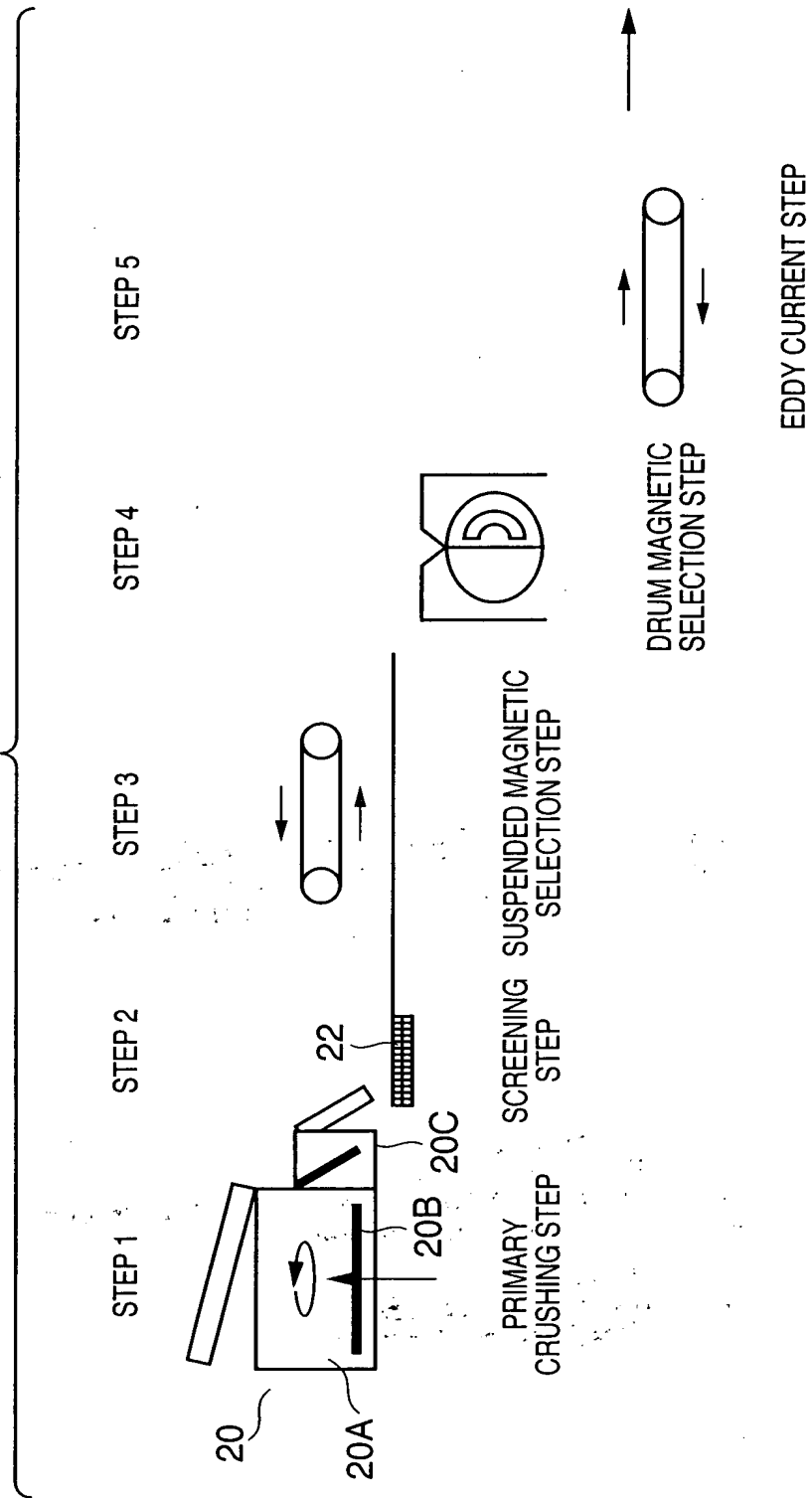


FIG. 3



**FIG. 4**

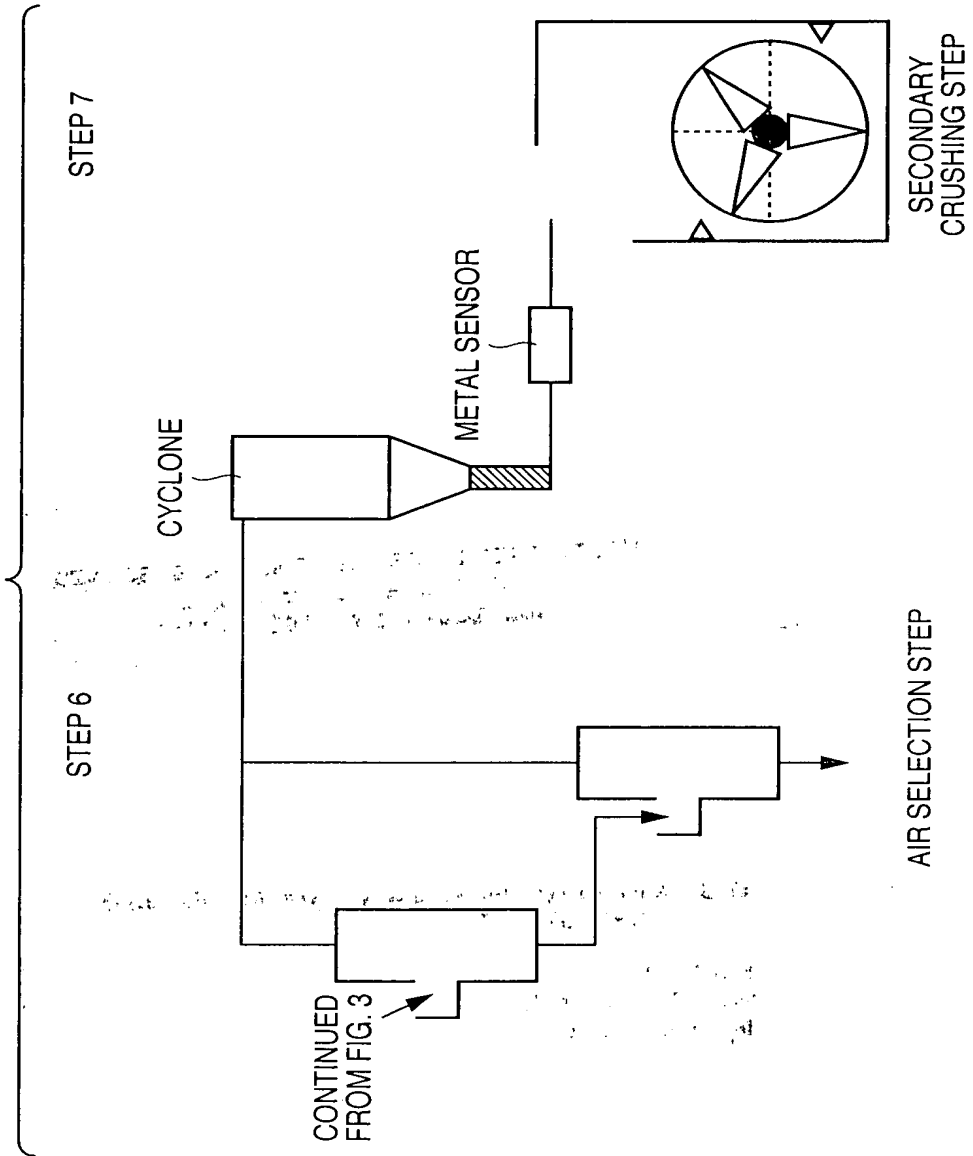
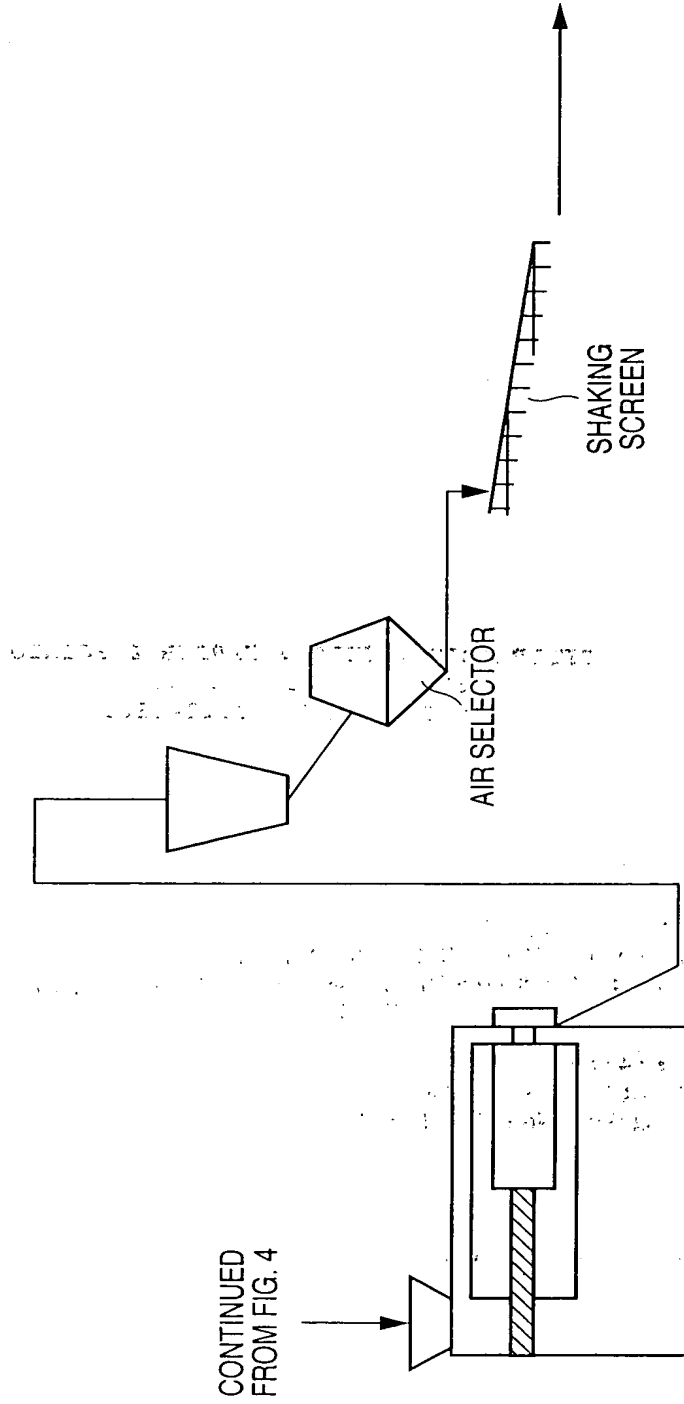


FIG. 5

STEP 8

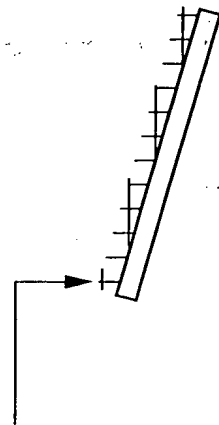


PEELING AND AIR  
SELECTION STEP

FIG. 6

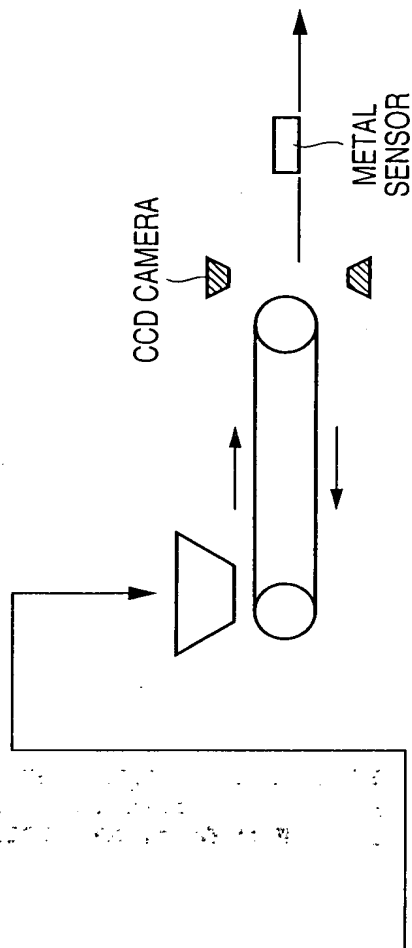
STEP 9

CONTINUED  
FROM FIG. 5



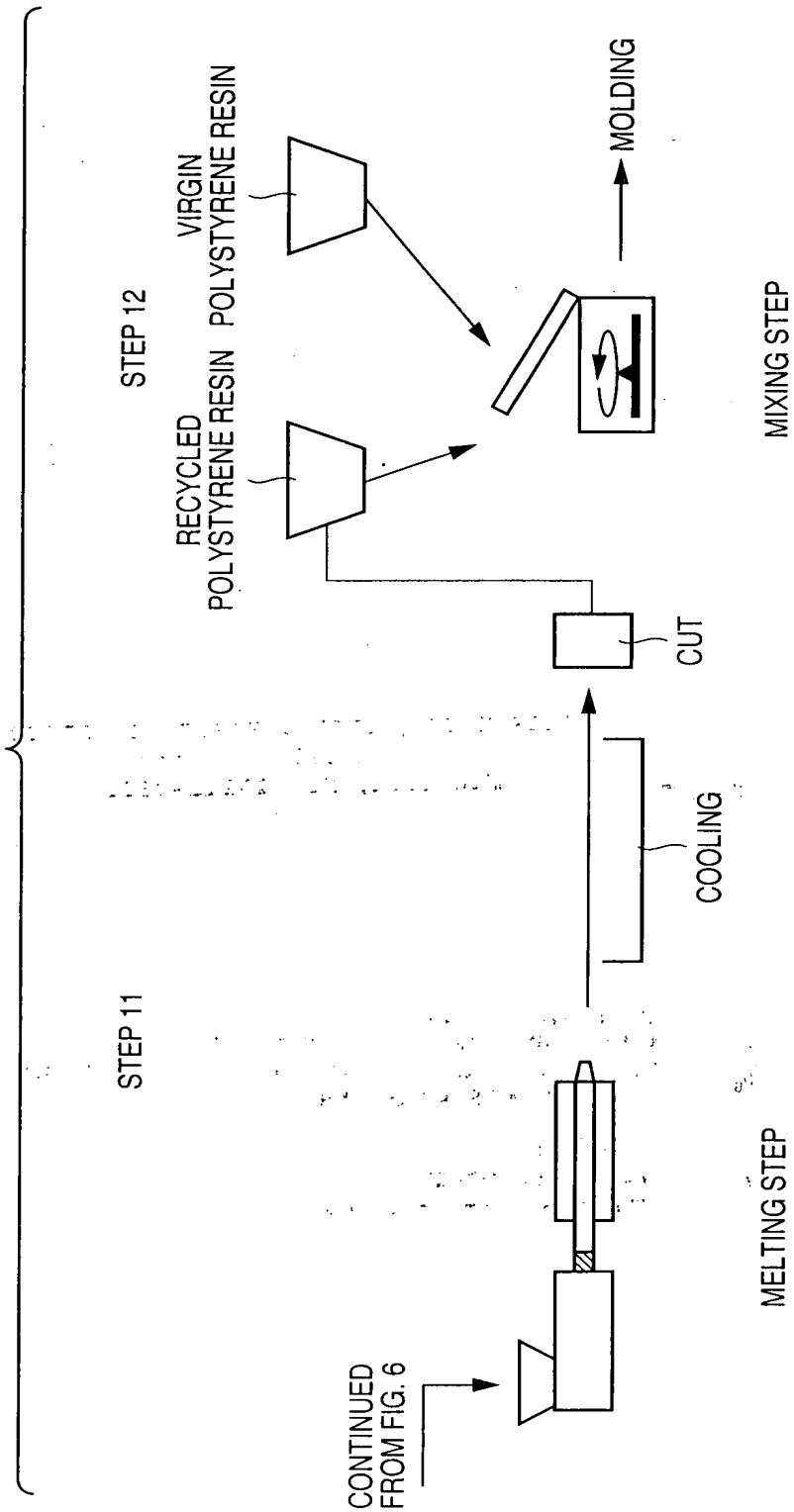
DRY GRAVITY  
SEPARATION STEP

STEP 10



COLOR SELECTION STEP

FIG. 7



**FIG. 8**

PLASTIC REFLECTION DENSITY MEASUREMENT RESULTS				
COLOR	MATERIAL	REFLECTION DENSITY		
		MIN	MAX	AV
BLACK 1	HIPS	1.5	1.59	1.54
BLACK 2	HIPS	1.55	1.66	1.62
BLACK 3	HIPS	1.31	1.5	1.4
GRAY 1	HIPS	1.21	1.37	1.29
BLUE 1	PP	0.53	0.68	0.58
GREEN 1	PP	0.54	0.64	0.59
VERMILION 1	ABS	0.5	0.55	0.52
MILK WHITE 1	POM.	0.37	0.41	0.39
MILK WHITE 2	POM	0.22	0.32	0.25



**FIG. 9**

MEASUREMENT APPARATUS : Macbeth RD914 ( MONOCHROME MODE )		
TEST ITEMS	A	B
GRAVITY	1.12	1.11
MI (g / 10min)	4.1	4.1
TENSILE BREAK STRENGTH (Mpa)	26	25
BENDING STRENGTH (Mpa)	43	44
IZOD IMPACT STRENGTH (KJ / m <sup>2</sup> )	8	7.5
FLAMMABILITY	V-2	V-2
SHRINKAGE FACTOR 200mm (%)	0.59	0.58